

## **EPA Region 10 - Site Safety Plan**

Pogo Mine, near Delta Junction, AK

**DRAFT September 19, 2013**

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### **1.0 GENERAL INFORMATION**

- 1.1 Project logistics and responsibilities include:  
Pogo Mine incinerator source test (burn) observation by EPA inspector.

Site / Location: Pogo Mine, near Delta Junction, AK

Investigation dates: 9/28/13 – 10/3/13

Plan prepared by: Zach Hedgpeth \_\_\_\_\_

Phone: 206-553-1217                      date: \_\_\_\_\_

Plan approved by: Mark Filippini \_\_\_\_\_

Phone: 206-553-6327                      date: \_\_\_\_\_

Safety Officer: Grady Maxwell \_\_\_\_\_

date: \_\_\_\_\_

Field Team Member(s): Zach Hedgpeth

- 1.2 Site Activities (check those that apply):

Air quality source test observation

Inspector will travel from Anchorage to the remote mine site via mine-provided transportation. Mine transportation provider has strict safety protocol for communication and emergency services. Inspector will also follow protocols presented in "Traveling to Alaska" document provided by AOO (attached). Once on site, inspector will be under the jurisdiction of Pogo Mine site safety staff and procedures.

### **2.0 EMERGENCY CONTACTS**

In case of any emergency:

- 1) Experienced and certified responder will apply necessary first-aid, if applicable,
- 2) Call 911 and / or other appropriate emergency numbers listed below to report the emergency,

On-site Emergency Phone:

From Pogo Mine public phones: **9-895-2911**

From Pogo Mine office phones: 2911

- 3) Follow any instructions given by the appropriate facility,
- 4) When the situation is under control, notify the appropriate EPA Supervisor, and
- 5) Notify the Occupational Safety and Health Staff.

Inspectors must ensure that they have proper emergency information for the designated site before conducting an inspection. Useful emergency numbers for Region 10 are listed below. Additional emergency numbers are available and should be added.

-Police, Fire, or Medical Aid

On-site Emergency Phone:

From Pogo Mine public phones: **9-895-2911**

From Pogo Mine office phones: 2911

-EPA Health and Safety Staff:

Grady Maxwell 206-553-0241

Carol Haines 360-871-8706

-Occupational Health Physicians:

Dr. Steve Scott 206-615-2546

-Nearest Hospital or Medical Facility:

Mine site has medical facilities which will be the primary source of services. Mine safety staff will arrange for any needed off-site services including ambulance, helicopter evacuation, etc. Communications at the mine are conducted using the facility's phone system.

Nearest Hospital: Fairbanks Memorial Hospital

Address: 1650 Cowles St., Fairbanks, AK

Phone: (907) 452-8181

Route: Depart Pogo Mine via access road (50 miles)  
Turn right onto Hwy 2 Richardson Hwy, to Fairbanks (73 miles)  
Turn left onto Airport Way (1 mile)  
Turn left onto Cowles Street (0.2 miles)

-Fire or Medical Aid

On-site Emergency Phone:

From Pogo Mine public phones: **9-895-2911**

From Pogo Mine office phones: 2911

-Other emergency numbers: None

### 3.0 SITE HAZARDS

In the following sections, identify the hazards expected on the site that are associated with specific tasks, exposures limits (if established), exposure route(s), and prevention or protection technique(s) to reduce risk.

#### 3.1 Chemical Hazards of Concern

Include:

Task, Chemical/Hazard, TLV/PEL, Odor, Action, Exposure, Prevention, IDLH, threshold, Level, Route, Monitoring

No specific chemical hazards of concern. Incinerator burns residential-type solid waste, wastewater treatment plant sludge, and oily absorbent materials produced at the facility and operates under permit. During source test, inspector will stay clear of any visible plume or emissions.

#### 3.2 Physical Hazards (topography, remoteness, heat/cold, trip/slip, traffic/equipment, etc.)

<u>Task</u>	<u>Hazard Description</u>	<u>Prevention/Control</u>
Test Observation	Slip, trip, fall	Awareness
	Traffic	High visibility clothing
	Hot surfaces	No contact
	Remoteness	Do not wander
	Heat/cold	Layered clothing
	Wild animals	Avoid, stay in mine areas

#### **4.0 PERSONAL PROTECTION EQUIPMENT**

The following personal protective equipment will be used for the noted tasks:

<u>Equipment</u>	<u>Tasks requiring PPE</u>
Steel-toed boots Hard hat Reflective vest Safety glasses Hearing protection Insect repellent Sunscreen	Test Observation

The following safety equipment will also be available on site (check those that apply):

First Aid Kit  
Fire extinguisher  
Portable phone / radio phone:  
Pogo Mine Emergency Services personnel and equipment

#### **5.0 TRAINING**

All EPA on-site personnel have satisfied all EPA and OSHA training requirements. Additionally, all personnel will (check and perform those that apply):

Review the site safety plan prior to beginning fieldwork  
Attend site-specific safety training provided by the facility prior to beginning field activities  
Attend all other site safety meetings

## 6.0 MEDICAL SURVEILLANCE PROGRAM

EPA personnel whose work

1. Involves emergency response activities, or
2. Involves an activity or known exposure that is currently regulated by OSHA and the applicable regulation mandates medical surveillance, or
3. Presents a routine or periodic recurring exposure to hazardous chemical, radiological, biological or physical agents at or above the medical surveillance action level (1/2 of the most conservative regulation or standard), or
4. Requires the use of respiratory protection due to exposures at or above the medical surveillance action level or reasonably significant occupational exposures that may have adverse health effects, or
5. Continuously involves physically demanding rigorous work, such as routine heavy lifting and carrying,

are enrolled in the Occupational Medical Surveillance Program.

Field Team Member Signatures

Date

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## 7.0 MONITORING PROGRAMS

Air monitoring or radiation dosimetry as identified in section 3.1 will be performed during on-site activities to ensure that personnel have adequate information for proper protection. The site-specific monitoring program is described below.

## 8.0 SITE CONTROL MEASURES

### 8.1 Work Zones (check those that apply)

- ☐ Site work zones will be established, including a control zone, a decontamination zone, and an exclusion zone. These zones will be properly demarcated to ensure adequate site control.
- ☐ Due to the limited and relatively low-hazard nature of the investigation, formal work zones will not be established. However, proper contaminant avoidance and decontamination measures shall be determined prior to fieldwork and practiced.
- ☒ Other: Due to the nature of the onsite work to be performed by EPA personnel, establishment of work zones is not necessary. The work to be performed by EPA personnel consists of observing, verifying, and documenting the operation of an incinerator during an emission test as well as the testing activities themselves.

### 8.2 Site Map

The attached map delineates proposed work zones and site entrance(s) and exit(s).

N/A.

### 8.3 COMMUNICATIONS AND EMERGENCY ALARM SYSTEM

The following communication and alarm system will be used on-site:

Call the Pogo Mine emergency number given above.

## **9.0 DECONTAMINATION**

All disposable protective gear will be the responsibility of the project manager. It shall be bagged and removed from the site for proper disposal, and any contaminated wash and rinse solutions will be collected and properly disposed.

### **9.1 DECONTAMINATION MEASURES:**

No materials or disposable gear will be produced by EPA onsite activities during this source test observation.

## **10.0 ADDITIONAL COMMENTS**

None.